

10/587,995

Sequence Alignment

ABP69565

ID ABP69565 standard; protein; 704 AA.

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AC ABP69565;

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DT 15-JUN-2007 (revised)

DT 20-JAN-2003 (first entry)

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DE Human polypeptide SEQ ID NO 1612.

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KW Human; genome mapping; gene therapy; food supplement; virus; fungus;
KW cell-proliferative disorder; neurodegenerative disease; bacterial;
KW Parkinson's disease; Alzheimer's disease; autoimmune disease;
KW multiple sclerosis; diabetes; genetic disorder; wound; burn; infection;
KW arthritis; cytostatic; immunomodulator; nootropic; neuroprotective;
KW antiparkinsonian; antidiabetic; immunosuppressive; dermatological;
KW haemostatic; vulnerary; fungicide; antibacterial; virucide; protozoacide;
KW antiarthritic; BOND_PC; axotrophin;
KW membrane-associated RING-CH protein VII; axotrophin [Homo sapiens];
KW MARCH7; AXO; MARCH-VII; DKFZP586F1122; AXOT; RNF177;
KW membrane-associated ring finger (C3HC4) 7, isoform CRA_a;
KW membrane-associated ring finger (C3HC4) 7, isoform CRA_a [Homo sapiens];
KW unknown; unknown [Homo sapiens];
KW membrane-associated ring finger (C3HC4) 7;
KW Membrane-associated ring finger (C3HC4) 7 [Homo sapiens];
KW unnamed protein product; unnamed protein product [Homo sapiens]; GO5515;
KW GO6512; GO8270; GO16874; GO46872; GO4842; GO6378.

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OS Homo sapiens.

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PN WO200270539-A2.

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PD 12-SEP-2002.

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PF 05-MAR-2002; 2002WO-US005095.

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PR 05-MAR-2001; 2001US-00799451.

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PA (HYSE-) HYSEQ INC.

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PI Tang YT, Zhou P, Goodrich RW, Asundi V, Zhang J, Zhao QA, Ren F;
PI Xue AJ, Yang Y, Ma Y, Yamazaki V, Chen R, Wang Z, Ghosh M;
PI Wehrman T, Wang J, Wang D, Drmanac RT;

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DR WPI; 2002-759812/82.

DR N-PSDB; ABZ11782.

DR PC:NCBI; gi12383066.

DR PC:SWISSPROT; Q9H992.

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PT New polynucleotides comprising sequences assembled from expressed
PT sequence tags (ESTs), useful for treating cell-proliferative,
PT neurodegenerative, autoimmune, genetic, myeloid or lymphoid, or platelet
PT or coagulation disorders.

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PS Claim 9; SEQ ID NO 1612; 1012pp + Sequence Listing; English.
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CC The invention relates to an isolated polynucleotide (I) comprising a
CC nucleotide sequence selected from any of 948 sequences (ABZ11119-
CC ABZ12066) or their mature protein coding portion, active domain coding
CC protein or complementary sequences. The polynucleotides are useful for
CC identifying expressed genes or for physical mapping of human genome. The
CC encoded polypeptides (ABP68902-ABP69849) are useful as molecular weight
CC markers, as a food supplement, for generating antibodies, in medical
CC imaging, screening and diagnostic assays and for treating cell-
CC proliferative disorders (cancer), neurodegenerative diseases (Parkinson's
CC or Alzheimer's disease), autoimmune diseases (multiple sclerosis,
CC diabetes, lupus) genetic disorders, myeloid or lymphoid disorders,
CC platelet or coagulation disorders, wound, burns, incision, ulcers, liver
CC or lung fibrosis, infections (bacterial, viral, fungal, parasitic),
CC arthritis, etc. Note: The sequence data for this patent did not form part
CC of the printed specification, but was obtained in electronic format
CC directly from WIPO at ftp.wipo.int/pub/published_pct_sequences
CC
CC Revised record issued on 15-JUN-2007 : Enhanced with precomputed
CC information from BOND.
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SQ Sequence 704 AA;

Query Match 100.0%; Score 3584; DB 5; Length 704;
Best Local Similarity 100.0%; Pred. No. 3.5e-269;
Matches 704; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MESKPSRIPRRISVQPSSSLSARMMMSGSRGSSLNDTYHSRDSSFRLDSEYQSTSASASAS 60
|
Db 1 MESKPSRIPRRISVQPSSSLSARMMMSGSRGSSLNDTYHSRDSSFRLDSEYQSTSASASAS 60

Qy 61 PFQSAWYSESEITQGARSRSQNQQRDHDSKRPKLSCTNCTTSAGRNVGNLNTLSDSSWR 120
|
Db 61 PFQSAWYSESEITQGARSRSQNQQRDHDSKRPKLSCTNCTTSAGRNVGNLNTLSDSSWR 120

Qy 121 HSQVPRSSSMVLGSFGTDLMRERRDLERRTDSSISNLMDYSHRSGDFTTSSYVQDRVPSY 180
|
Db 121 HSQVPRSSSMVLGSFGTDLMRERRDLERRTDSSISNLMDYSHRSGDFTTSSYVQDRVPSY 180

Qy 181 SQGARPKENSMSTLQLNTSSTNHQLPSEHQITLSSRDSRNSLRNFSRSRESESSRSNTQP 240
|
Db 181 SQGARPKENSMSTLQLNTSSTNHQLPSEHQITLSSRDSRNSLRNFSRSRESESSRSNTQP 240

Qy 241 GFSYSSSRDEAPIISNSERVVSSQRPFQESSDNEGRRTTRRLLSRIASSMSSTFFSRRSS 300
|
Db 241 GFSYSSSRDEAPIISNSERVVSSQRPFQESSDNEGRRTTRRLLSRIASSMSSTFFSRRSS 300

Qy 301 QDSLNTSLNSENSYVSPRILTASQSRSNVPSASEVPDNRASEASQGFRFLRRRWGLSSL 360
|
Db 301 QDSLNTSLNSENSYVSPRILTASQSRSNVPSASEVPDNRASEASQGFRFLRRRWGLSSL 360

Qy 361 SHNHSSSESDSENFNQESEGRNTGPWLSSSLRNRCPTPLFSRRRREGRDESSRIPTSDTSSR 420
|
Db 361 SHNHSSSESDSENFNQESEGRNTGPWLSSSLRNRCPTPLFSRRRREGRDESSRIPTSDTSSR 420

Qy	421	SHIFRRESNEVVHLEAQNDPLGAAANRPQASAASSSATTGGSTSDSAQGGGRNTGISGILP	480
Db	421	SHIFRRESNEVVHLEAQNDPLGAAANRPQASAASSSATTGGSTSDSAQGGGRNTGISGILP	480
Qy	481	GSLFRFAVPPALGSNLTDNVMITVDIIPSGWNSADGKSDKTKSAPSRDPERLQKIKESLL	540
Db	481	GSLFRFAVPPALGSNLTDNVMITVDIIPSGWNSADGKSDKTKSAPSRDPERLQKIKESLL	540
Qy	541	LEDSEEEEGDLCRICQMAAASSSNLLIEPCKCTGSLQYVHQDCMKKWLQAKINS GSSLEA	600
Db	541	LEDSEEEEGDLCRICQMAAASSSNLLIEPCKCTGSLQYVHQDCMKKWLQAKINS GSSLEA	600
Qy	601	VTTCELCKEKLELNLEDFDIHELHRAHANEQA EYEFISSGLYLVVLLHLCEQSFSDMMGN	660
Db	601	VTTCELCKEKLELNLEDFDIHELHRAHANEQA EYEFISSGLYLVVLLHLCEQSFSDMMGN	660
Qy	661	TNEPSTRVRFINLARTLQAHMEDLETSEDDSEEDGDHNRTFDIA	704
Db	661	TNEPSTRVRFINLARTLQAHMEDLETSEDDSEEDGDHNRTFDIA	704